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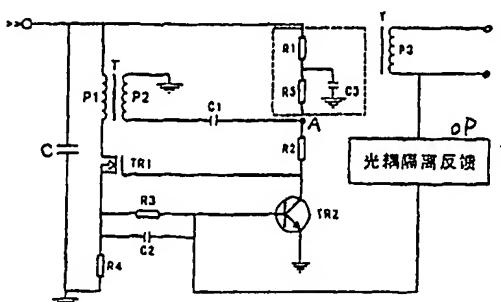
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(54) Title: AN ISOLATING TYPE SELF-OSCILLATING FLYBACK CONVERTER

(54) 发明名称: 隔离式自振荡反激变换器



1 OPTICAL COUPLED ISOLATING FEEDBACK

A1

(57) Abstract: An isolating type self-oscillating flyback converter is disclosed, which includes a coupled transformer, a FET, a transistor and an optical-electro coupled isolating feedback unit, wherein the input terminal of the circuit is connected to the source of the FET through a primary winding of the coupled transformer, the input terminal of the circuit is connected to the collector of the transistor through a resistor R1 and a resistor R2, the source of the FET is connected to the collector of the transistor, the drain of the FET is connected to the ground through a resistor and connected to the base of the transistor through the parallel connection of a resistor and a capacitor, the base of the transistor is connected to the output terminal of a secondary output winding of the coupled transformer through the optical-electro coupled isolating feedback unit; the series connection joint between the said resistor R1 and the resistor R2 is connected to the ground through a speedup capacitor and a secondary winding of the coupled transformer; a circuit for achieving the soft start is connected between the said input terminal of the circuit and the series connection joint. Thus the current of the invention is small and the converter can keep normal working when the input voltage is high.

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